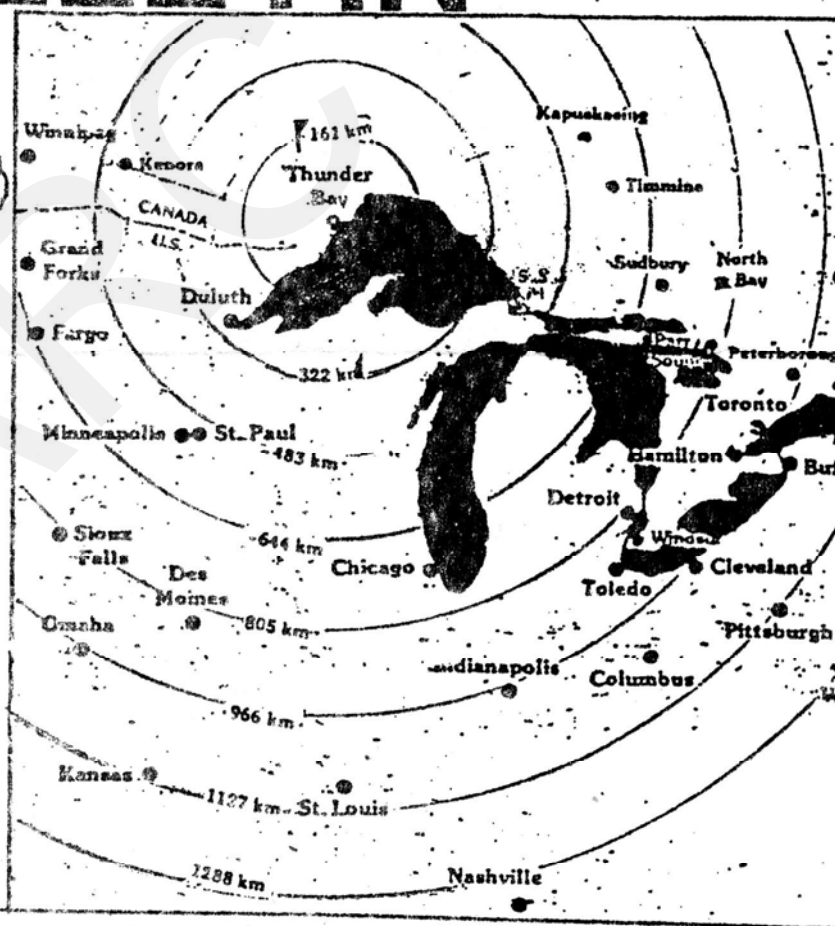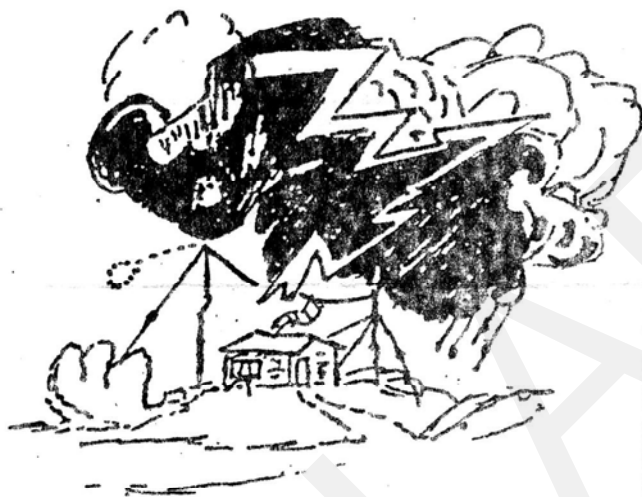# HI-Q

'AUG - - 1986

# LAKEHEAD AMATEUR RADIO CLUB
# BULLETIN

REPEATERS

TBR 146.82

YQT 147.06

FOUNDED 1934

CLUB STATION

VE3FW

INCORPORATED 1979

# VE3TBR / VE3YQT FUNCTION SHEET

```
*1 - AUTOPATCH          *2 - TEST PAD          *3 - DIAL IN
*4 - AUTOPATCH          *5 - EMER SPEED DIAL   *6 - WRK # SPD DIAL (*)
*7 - HOME # SPEED DIAL  *8 - TIME              *9 - REDIAL
*00 - POLICE            *01 - OPP              *06 - YQT/TBR SPD DIAL
911 - EMERGENCY         * - RESET AUTOPATCH 5 MIN TIMER
# - TERMINATE ALL FUNCTIONS
```
*********************************************************
```
TRIPPLE BEEP - DIAL IN - USE *3 TO ANSWER
SPECIAL BEEP + EME TAIL MSG - EMERGENCY ALERT - CHECK IN ON YQT
ANY DIGIT FOR TEN SECONDS - DISTRESS
```
*********************************************************

## EMERGENCY SPEED DIAL (*5)

```
00 - POLICE            12 - McKELLAR      31 - TOW S.
01 - OPP               13 - ST. JOESEPH   60 - OPR SUPV.
02 - FIRE              20 - EMO           61 - RED CROSS
03 - FOREST FIRE       22 - ROAD          70 - CJLB NEWS
04 - AMBULANCE         23 - CITY HALL      71 - CKPR NEWS
05 - WEATHER OFFICE    24 - OML
10 - GENERAL HOSPITAL  30 - TOW N.
11 - LPH
```
*********************************************************

## SPEED DIAL (*7)

| | | | | |
|---|---|---|---|---|
| A?D - 32 | EFC - 50 * | JAU - 49 | LMN - 27 * | PHT - 54 |
| AJ  - 62 | EFZ - 33 * | JAY - 10 | LMV - 48 | PHU - 67 |
| ARN - 11 | EJJ - 53 | JQ  - 25 | NHN - 60 | WF  - 20 * |
| AUP - 72 | GOM - 68 | JSC - 75 | NHP - 52 | XJ  - 16 * |
| AVS - 76 * | HFS - 16 | KRD - 99 | NHX - 14 * | XT  - 18 |
| | | | | |
| AYZ - 13 | HPT - 22 | KRH - 45 | NNO - 31 | ZG  - 19 * |
| BBS - 23 * | HTM - 44 | KRN - 65 | NNR - 66 | |
| BCD - 28 * | HXK - 38 * | KRO - 77 | OPI - 47 | |
| CH  - 29 | HZW - 57 * | KRP - 88 * | OPL - 30 | |
| CK  - 56 * | ICY - 35 | KRV - 70 | OPZ - 42 | |
| | | | | |
| CX  - 69 * | ILV - 90 | KRZ - 43 | OTC - 73 | |
| DJM - 51 | IY  - 64 | LME - 41 * | OTI - 39 | |
| ECV - 26 | JAA - 21 | LMG - 12 | OTZ - 78 | |
| EDW - 34 | JAB - 37 | LMI - 17 | PHL - 59 | |
| EDZ - 61 | JAJ - 55 | LML - 36 | PHN - 58 | |

*********************************************************

## TAIL MESSAGES

```
MEET - Meeting Night                 RACE - Various Throughout Yr
SKI  - Sibley Ski Tour, Jumping, Etc. VOTE - Election Day Reminder
DUES - Annual Dues Now Due           CLUB - VE3FW Open (Wed. Nights)
ARES - ARES Traffic Net Active On YQT DINER - Diner Meeting
EME  - EMERGENCY - Please Check In On VE3YQT
WX   - Severe Weather Watch
```

THE NEXT MEETING OF THE L.A.R.C. WILL BE HELD THURSDAY, AUG. 14,

1986 AT THE E.M.O. BUILDING, CORNER OF WATERLOO/VICTORIA AVE.

STARTING AT 23:30 UTC.

COFFEE (JAVA, MUD, JOE ETC.) POP AND DONUTS WILL BE SERVED.

**********************************************************

## THE PREZ SEZ

We have received a resignation as director from Bob VE3NHN
who found that the demands of his newly formed business leave him
with no time to carry out the duties and responsibilities of an
executive member. We thank Bob for his consideration of the club
in not holding up the Position of a director when not able to
volunteer his time.

Your executive are pretty much organized for the
upcoming year, listed are functions your executive members will
be involved with.

Pres. - ART VE3LMG
    1. Assistant Emergency Co-ordinator
    2. N.W. Ont. Net Controller
    3. N.W. Ont. Swap Shop Manager (Sept to May)

V.Pres. - Skip VE3BBS
    1. Emergency Co-ordinator
    2. Repeater Committee Chairman

Secr. - Leo VE3XT
    1. Inventory Committee

Treas. - Laurie VE3BCD
    1. Repeater Emergency Service Technician
    2. Repeater Committee Member
    3. Inventory Committee

Direc. - Bob VE3JAB
    1. Public Relations Co-ordinator
    2. N.W. Ont. Net Controller
    3. Trans Canada Net Controller

Direc. - Glen VE3JAU
    1. Club Archives Records
    2. February Dinner Dance
    3. 1987 Field Day

Direc. - Lindo VE3NHX
    1. Newly elected to replace VE3NHN

## Inventory Committee

The Inventory Committee has met undeer the chairmanship of the station manager, Al VE3GOM.

It is necessary that all members in possession of or providing storage of club equipment and ossets immediately notify Al of the items involved and when they could be viewed and evaluated.

**********************************************************

## Dues

Just a friendly reminder that your 1986/1987 Lakehead Amateur Radio Club dues can now be paid.

**********************************************************

## 1986 Yard Sale

The 1986 Yard Sale is upon us once again and once more the L.A.R.C. requires: Organizer
Committee

1. To solicit and collect goods.
2. To determine location and date.
3. Set up advertizing.
4. Display and Price goods.
5. Operate the sale.

**********************************************************

## More on VE7EXPO

Interested in working VE7EXPO? It is located in the Canadian Pavillion at EXPO 86, the Vancouver World Fair, and will operate daily from 1700 UTC until 0500 UTC on the following modes and frequencies:

CW

```
80 Meters -  3.51  Mhz and  3.71  Mhz
40 Meters -  7.01  Mhz and  7.11  Mhz
30 Meters - 10.105 Mhz and 10.12  Mhz
20 Meters - 14.01  Mhz and 14.03  Mhz
15 Meters - 21.01  Mhz and 21.11  Mhz
10 Meters - 28.01  Mhz and 28.11  Mhz
```

SSB

```
80 Meters -  3.74  Mhz and  3.795 Mhz
40 Meters -  7.08  Mhz and  7.155 Mhz
20 Meters - 14.135 Mhz and 14.205 Mhz
15 Meters - 21.135 Mhz and 21.205 Mhz
10 Meters - 28.135 Mhz and 28.305 Mhz
```

Direc. Dan VE3KRO

Editor - Garnet VE3AUP
      1. Monthly Production of Hi-Q
      2. Radio Course Co-ordinator

      The Repeater and Fund Raising committees will be established
at the September meeting but, in the meantime, a "Yard Sale"
Chairman and Committee are required immediately for a Sept. sale
or this good money-maker will be lost for 86.

Duties:
      1. Solicit & collect merchandise
      2. Determine sale location & date
      3. Set-up Pre-advertising
      4. Display & price merchandise
      5. Operate the sale

How about involving the XYL's in this one.
If you can manage this event for the club please call
Art VE3LMG  - 475 4662
Skip VE3BBS - 767-2307

      Al VE3GOM has agreed to accept the "station Manager"
position, which job description has been considerably
enlarged this year.

      1. Char a club equipment inventory committee.
      2. To generally supervise operation of club equipment.
      3. To organize maintenance of club equipment.
      4. To develop & post club station operating procedures.

Inventory Committee;
      Vlad - VE3KRV
      Steve - VE3KRH
      Jamie - VE3JSC
      Laurie - VE3BCD
      Leo - VE3XT
      Skip - VE3BBS

                              73's Art VE3LMG
*****************************************************************
THE MINUTES OF THE L.A.R.C. MEETING FOR JULY 10, 1986.

Meeting opened by Art VE3LMG, at 23:00 UTC July 10, 1986.
Round Table.
Motion to have the minutes accepted as read in Hi-Q by
Arnold VE3JAA and seconded by Steve VE3KRH and carried.
Treasures Report was read and accepted by Vlado VE3KRV
and seconded by Arnold VE3JAA.
Repeater Committee by VE3BBS (Skip), regarding YQT.
Motion to pay Lakehead Tower Errectors $500.00 for the installation

## The New VE3YQT Controller, and How To Use It

    The long awaited C64 controller for VE3YQT is very near completion, and should be operational shortly. There are quite a few new features that have been added to it which are not yet available in VE3TBR, and this is meant to fill you in on what they are, and how to use them.

    To start things off, the controller for VE3YQT will be running with a Commodore C64 computer, vs a Radio Shack TRS-80 that is running VE3TBR. In itself, this should be no great suprise to you, but it is important to keep this fact in the back of your mind. Essentially, the two are the same, with a beg differance being in that they create sound in differant ways. This means that the two repeaters will sound 'differant', but their basic operation will be similar. Things like the courtesy beep, dial in and CW will sound a bit differant on VE3YQT, but they still perform the same basic function.

    Should you get lost or confused when using the new controller, just remeber not to loose your cool (hi), and use it the same as VE3TBR. Everything that you have grown accustomed to in VE3TBR is still here, and they work the same. The only differrance is that a few more features have been added, and a few other features have  changed slightly, but for the most part, its just a souped up version of the controller that is running on VE3TBR. This should help to alay any fears that you may have regarding the new controller, and being unsure of how to use it.

    With that out of the way, clip your HT on your belt, and lets go for a tour. To start off with, it is now possible to enter the access code and the phone number all at once. For example, enter *14754224 then unkey. The repeater will respond with 'ID?' in CW. Give your callsign, then unkey. The repeater will respond with TWO R's (R R) in CW. This indicates that it has your phone number that you entered, and is now dialing it for you. If you receive only one R, then you can now enter your phone number that you wish to call on the autopatch. As well, the 'old' way of keying in *1, then unkeying, giving your call in respnce to the 'ID?' will still work ok. Either is perfectly acceptable.

    This new way of entering in the access code and the phone number together will also work on the speed dial functions ie *769, then unkey. The repeater will respond with 'ID?' in CW. Give your callsign, then unkey. The repeater will respond with 'CX' in CW, then dial my home number on the autopatch. This will work for all 3 speed dial modes (*5, *6 and *7). As well, the 'old way' will still work ok with the speed dial. One place that it will NOT work with is *4. If you use this method to call on the autopatch, you will have to key in *4, then unkey. The repeater will respond with 'ID?'. Give your call, then enter your phone number. The only differance between the *1 and the *4 autopatch is that *1 uses its built in touchtone dialer to dial your number, and the *4 puts your touchtones directly on the phone line for dialing.

    Once you have the autopatch in use, a few new features have

been added.  DO NOT TRY THESE ON VE3TBR!  The first is a Hold feature.
With the autopatch up, when you key in the digit 4 (not *4, just a
plain 4), the call will be placed on 'hold'.  Should you get a dial
in call, and decide to check if the person you are looking for is
on VE3TBR, while you are gone, the person on the phone is free to
say anything they wish.  By placing the call on 'hold', their
audio will not be sent out on the repeater.  This is not a true
'hold' feature as you would see on a normal telephone.  Rather, it
just holds up the audio switch on the phone line.  What this means
is that he can hear what is being said on the autopatch, but his
audio will not be sent out on the autopatch.

To remind you the 'hold' feature is activated, an 'H' will be
sent in CW every time you key, then unkey.  To take the call off
hold, key in the digit 6 (not *6, just a plain 6).  An 'O' (for
Off) will be sent in CW to advise you the call is no longer on
hold, and the person on the telephone end of the autopatch can now
speak on the repeater again.  As well, when the autopatch is in
the 'normal' mode, whenever you key, then unkey, there will not
be any CW sent.

Along the same lines, and 'In Use' feature has also been added.
When you make an autopatch call, and the party you are looking for
is not immediatly available or they went off somewhere, the
repeater stays up, but no one is talking on it.  If someone else
should happen to turn on their rig, they may not realize that the
patch is in use.  To get around this, most preople occasionally
announce "this is VE3XXX on the patch" (or something similar).
To get around this, key in the digit 5.  Every two seconds, a
'double dit' will be sent, indicating that the patch is in use.
The phone line remains open (the person on the phone line can talk
on the repeater).  To remove the 'in use' feature key in a digit
6.  An 'O' will be sent in CW, and the autopatch will be back
to normal.

That pretty well covers the new ways in which the autopatch
can be accessed and used.  A number of other features have also been
added.  One that will probably come in handy is *06.  It is a
'shortcut' to dial up VE3TBR on the autopatch.  Key in *06.  The
repeater will respond with 'ID?'.  Give your call.  The repeater will
respnd with 'TBR' and dial up VE3TBR on the autopatch.  The same
will be added to VE3TBR in the near  future to dial up VE3YQT on
the autopatch.

A new feature for VE3TBR and VE3YQT is 911.  In keeping with
modern times, the City of Thunder Bay has added 911 to our telephone
system.  When you dial 911 on your home phone, you will get the
emergency operator.  One simple number will get you the Thunder
Bay police, Fire Department and Ambulance, and it is easy to
remember, cause it is only 3  numbers, 911.  To keep things simple,
911 will also work on both repeaters.  Just key in 911.  The
repeater will respnd with 'ID?' .  Give your call.  The emergency
number, 911 will be dialed, and help will be close at hand.  With
the introduction of 911, the Police, Fire and Ambulance numbers
now go to City Hall, and you will have to ask for the appropriate

department.

In addition to all the above features for VE3YQT, it will now automatically lower the CW level if you 'talk over it'. I have also shortened the ID, so it will ID as "DE VE3YQT". If the repeater is idle for 1/2 hour, the repeater will key up, then ID as "DE VE3YQT THUNDER BAY REPEATER". The CW is sent at about 15 words per minute (WPM) to make it a bit easier to copy. As well, should the repeater be sending CW, IDing for example, you can now enter touchtone commands at the same time. It will finish sending the CW, (IDing in this example), then commence to do your bidding.

That should pretty well cover the additional new features that have been added. A new function sheet has been included in this issue of HI-Q, and is good for both repeaters. All the Speed Dial numbers are the same on both repeaters.

At present, there is no precise 'turn up day' for the new controller, but this article should bring you up to date, and give you an idea of what to expect when it does become operational. As well, the bottom end of the autopatch will be located at VE3FW, so when it is working, please come down and have a look at how the autopatch works.

Should you have any questions, ideas or suggestions, please pass them along to Tom VE3CX, either on TWO, 440, in person or via the landline. I can be reached at 767-1453 (home) or 623-6460 (work). Arnold, VE3JAA is in charge of the complaint department. Tell him all your problems, and he will have the answer for you!

73

Tom VE3CX

*****************************************************************
Fer Sale:

    FT-101E with processor, output tubes etc.
    SWR meter
    Keyer
    TA-33 Jr. beam with 50' RG213
    A complete station for $900
    Individual items negotiable.

    Contatact - Earl Marriew VE3PHW in Upsala at 986-2355.

                    73's Mike   VE3ZG

*****************************************************************
Club Jackets

    Well it is that time again when club jackets are to be ordered. The cost of the jackets this year will be approximately $70.00 - $75.00, and the style of jacket to be purchased at the moment is simmilar to that purchased in the passed. If you are interested in a club jacket please contact Art VE3LMG or Skip VE3BBS for further details.